



Retzus-sparing robotic-assisted laparoscopic radical prostatectomy: a step-by-step technique description of this first brazilian experience

Marcos Tobias-Machado ¹, Igor Nunes-Silva ¹, Alexandre Kiyoshi Hidaka ¹, Leticia Lumy Kanawa Sato ¹, Roberto Almeida ¹, Jose Roberto Colombo Jr. ^{2,3}, Hamilton de Campos Zampolli ², Antonio Carlos Lima Pompeo ¹

¹ Departamento de Urologia, Faculdade de Medicina do ABC, Santo Andre, SP, Brasil; ² Departamento de Uro-Oncologia, Instituto do Câncer do Estado de São Paulo, São Paulo, SP, Brasil; ³ Departamento de Urologia, Faculdade de Medicina, Universidade de São Paulo, São Paulo, SP, Brasil

ABSTRACT

Introduction: Retzus-sparing robotic-assisted radical prostatectomy(RARP) is a newly approach that preserve the Retzus structures and provide better recovery of continence and erectile function. In Brazil, this approach has not yet been previously reported.

Objective: Our goal is to describe Step-by-Step the Retzus-sparing RARP surgical technique and report our first Brazilian experience.

Methods: We present a case of a 60-year-old white man with low risk prostate cancer. Surgical materials were four arms Da Vinci robotic platform system, six transperitoneal portals, two prolene wires and Polymer Clips. This surgical technique was step-by-step described according to Galfano et al. One additional step was added as a modification of Galfano et al. Primary technique description: The closure of the Denovellier fascia.

Results: We have operated one patient with this technique. The operative time was 180minutes, console time was 135 min, the blood loss was 150ml, none perioperative or postoperative complications was found, hospital stay of 01 day. The anatomopathological classification revealed a pT2aN0M0 specimen with free surgical margins. The patient achieved continence immediately after bladder stent retrieval. Full erection reported after 30 days of surgery.

Conclusion: Retzus-sparing RARP approach is feasible and reproducible. However, further comparative studies are necessary to demonstrate potential benefits in continence and sexual outcomes over the standard approaches.

CONFLICT OF INTEREST

None declared.

ARTICLE INFO

Available at: www.int brazjurol.com.br/video-section/tobias-machado_1250_1250
Int Braz J Urol. 2016; 42 (Video #12): 1250-50

Submitted for publication:
April 30, 2015

Accepted after revision:
November 15, 2015

Published as Ahead of Print:
September 20, 2016

Correspondence address:

Alexandre Kiyoshi Hidaka, MD
Departamento de Urologia
Faculdade de Medicina do ABC
Av. Principe de Gales 821
Santo André, SP, 09060-650, Brazil
Fax: + 5511 4993-5400
E-mail: kiyoshihidaka01@gmail.com